Author Index

Abián, J., Churchwell, M. I. and Korfmacher, W. A.
High-performance liquid chromatography–thermospray mass spectrometry of ten sulfonamide antibiotics. Analysis in milk at the ppb level 629(1993)267

Ackermans, M. T., see Beckers, J. L. 629(1993)371

Albaigés, J., see Pastor, M. D. 629(1993)329

Allen, D. W., Clench, M. R., Crowson, A. and Leathard, D. A.
Identification by particle-beam liquid chromatography–mass spectrometry of transformation products of the antioxidant Irganox 1330 in food-contact polymers subjected to electron-beam irradiation 629(1993)283

Ando, Y., see Takagi, T. 629(1993)385

Aoyanagi, N., see Takagi, T. 629(1993)385

Armstrong, D. W., see Zukowski, J. 629(1993)169

Baker, S., see Durhan, E. 629(1993)67

Barceló, D., see Pastor, M. D. 629(1993)329

Barker, S. A., Long, A. R. and Hines II, M. E.
Disruption and fractionation of biological materials by matrix solid-phase dispersion 629(1993)23

Beckers, J. L. and Ackermans, M. T.
Effect of sample stacking on resolution, calibration graphs and pH in capillary zone electrophoresis 629(1993)371

Belsner, K., Pfeifer, M. and Wilffert, B.
Reversed-phase high-performance liquid chromatography for evaluating the lipophilicity of pharmaceutical substances with ionization up to log $P_{app} = 8$ 629(1993)123

Berry, M. J. and Pierce, J. J.
Stability of immunoadsorbents comprising antibody fragments. Comparison of Fv fragments and single-chain Fv fragments 629(1993)161

Bier, M.
Advances in electrophoresis, Vol. 5 (edited by A. Chrambach, M. J. Dunn and B. J. Radola, Editors) (Book Review) 629(1993)401

Carr, P.W., see Helfferich, F.G. 629(1993)97

Chase, H. A., see McCreath, G. E. 629(1993)201

Chollet, D., Künstner, P. and Wermeille, M.
High-performance liquid chromatographic method for the determination of dimethindene in urine 629(1993)89

Chung, H.-C. and Hsu, M.-C.
Liquid chromatographic determination of amoxicillin preparations. Interlaboratory validation 629(1993)277

Churchwell, M. I., see Abián, J. 629(1993)267

Clench, M. R., see Allen, D. W. 629(1993)283

Coenegracht, P. M. J., see Wieling, J. 629(1993)181

Cooper, D. A., see Lurie, I. S. 629(1993)143

Crowson, A., see Allen, D. W. 629(1993)283

Daisey, J. M., see Gundel, L. A. 629(1993)75

Dawodu, O. F. and Meisen, A.
Gas chromatographic analysis of alkanolamine solutions using capillary and packed columns 629(1993)297

Desai, D. M. and Gal, J.
Enantiospecific drug analysis via the *ortho*-phthalaldehyde/homochiral thiol derivatization method 629(1993)215

Dijkstra, H., see Wieling, J. 629(1993)181

Djordjevic, N. M., Stegehuis, D., Liu, G. and Erni, F.
Improved ultraviolet detection in high-temperature open-tubular liquid chromatography 629(1993)135

Doornbos, D. A., see Wieling, J. 629(1993)181

Duineveld, C. A. A., see Wieling, J. 629(1993)181

Dunne, C., Meaney, M., Smyth, M. and Tuinstra, L. G. M. T.
Multimycotoxin detection and clean-up method for aflatoxins, ochratoxin and zearalenone in animal feed ingredients using high-performance liquid chromatography and gel permeation chromatography 629(1993)229

Durhan, E., Lukasewycz, M. and Baker, S.
Alternatives to methanol–water elution of solid-phase extraction columns for the fractionation of high log K_{ow} organic compounds in aqueous environmental samples 629(1993)67

Erni, F., see Djordjevic, N. M. 629(1993)135

Evans, K. P., see Williams, S. J. 629(1993)379

Floyd, T. R.
Chemical characterization of cellulose acetate by non-exclusion liquid chromatography 629(1993)243

Furton, K. G., Jolly, E. and Rein, J.
Variables affecting the supercritical fluid extraction of analytes from octadecylsilane solid-phase sorbents 629(1993)3

Gal, J., see Desai, D. M. 629(1993)215

Giese, R. W., see Saha, M. 629(1993)35

Goodall, D. M., see Williams, S. J. 629(1993)379

Grosse-Ophoff, M., see Küppers, S. 629(1993)345

Gundel, L. A., Mahanama, K. R. R. and Daisey, J. M.
Fractionation of polar organic extracts of airborne particulate matter using cyanopropyl-bonded silica in solid-phase extraction 629(1993)75

Hartmann, A., see Lebuhn, M. 629(1993)255

Helfferich, F. G.
Introduction to the series "Non-linear waves in chromatography" 629(1993)95

Helfferich, F. G. and Carr, P. W.
Non-linear waves in chromatography. I. Waves, shocks, and shapes 629(1993)97

Hines II, M. E., see Barker, S. A. 629(1993)23

Hobo, T., see Sato, K. 629(1993)291

Hsu, C.-Y. L. and Walters, R. R.
Optimization of sample application conditions for solid-phase extraction columns 629(1993)61

Hsu, M.-C., see Chung, H.-C. 629(1993)277

Ihara, T., see Sato, K. 629(1993)291

Jen, J.-F., Lin, C.-W., Lin, C.-J. and Yan, C.-T.
Determination of volatile fatty acids in landfill leachates by high-performance liquid chromatography 629(1993)394

Author Index

Abián, J., Churchwell, M. I. and Korfmacher, W. A.
High-performance liquid chromatography–thermospray mass spectrometry of ten sulfonamide antibiotics. Analysis in milk at the ppb level 629(1993)267

Ackermans, M. T., see Beckers, J. L. 629(1993)371

Albaigés, J., see Pastor, M. D. 629(1993)329

Allen, D. W., Clench, M. R., Crowson, A. and Leathard, D. A.
Identification by particle-beam liquid chromatography–mass spectrometry of transformation products of the antioxidant Irganox 1330 in food-contact polymers subjected to electron-beam irradiation 629(1993)283

Ando, Y., see Takagi, T. 629(1993)385

Aoyanagi, N., see Takagi, T. 629(1993)385

Armstrong, D. W., see Zukowski, J. 629(1993)169

Baker, S., see Durhan, E. 629(1993)67

Barceló, D., see Pastor, M. D. 629(1993)329

Barker, S. A., Long, A. R. and Hines II, M. E.
Disruption and fractionation of biological materials by matrix solid-phase dispersion 629(1993)23

Beckers, J. L. and Ackermans, M. T.
Effect of sample stacking on resolution, calibration graphs and pH in capillary zone electrophoresis 629(1993)371

Belsner, K., Pfeifer, M. and Wilffert, B.
Reversed-phase high-performance liquid chromatography for evaluating the lipophilicity of pharmaceutical substances with ionization up to log $P_{app} = 8$ 629(1993)123

Berry, M. J. and Pierce, J. J.
Stability of immunoadsorbents comprising antibody fragments. Comparison of Fv fragments and single-chain Fv fragments 629(1993)161

Bier, M.
Advances in electrophoresis, Vol. 5 (edited by A. Chrambach, M. J. Dunn and B. J. Radola, Editors) (Book Review) 629(1993)401

Carr, P.W., see Helfferich, F.G. 629(1993)97

Chase, H. A., see McCreath, G. E. 629(1993)201

Chollet, D., Künstner, P. and Wermeille, M.
High-performance liquid chromatographic method for the determination of dimethindene in urine 629(1993)89

Chung, H.-C. and Hsu, M.-C.
Liquid chromatographic determination of amoxicillin preparations. Interlaboratory validation 629(1993)277

Churchwell, M. I., see Abián, J. 629(1993)267

Clench, M. R., see Allen, D. W. 629(1993)283

Coenegracht, P. M. J., see Wieling, J. 629(1993)181

Cooper, D. A., see Lurie, I. S. 629(1993)143

Crowson, A., see Allen, D. W. 629(1993)283

Daisey, J. M., see Gundel, L. A. 629(1993)75

Dawodu, O. F. and Meisen, A.
Gas chromatographic analysis of alkanolamine solutions using capillary and packed columns 629(1993)297

Desai, D. M. and Gal, J.
Enantiospecific drug analysis via the *ortho*-phthalaldehyde/homochiral thiol derivatization method 629(1993)215

Dijkstra, H., see Wieling, J. 629(1993)181

Djordjevic, N. M., Stegehuis, D., Liu, G. and Erni, F.
Improved ultraviolet detection in high-temperature open-tubular liquid chromatography 629(1993)135

Doornbos, D. A., see Wieling, J. 629(1993)181

Duineveld, C. A. A., see Wieling, J. 629(1993)181

Dunne, C., Meaney, M., Smyth, M. and Tuinstra, L. G. M. T.
Multimycotoxin detection and clean-up method for aflatoxins, ochratoxin and zearalenone in animal feed ingredients using high-performance liquid chromatography and gel permeation chromatography 629(1993)229

Durhan, E., Lukasewycz, M. and Baker, S.
Alternatives to methanol–water elution of solid-phase extraction columns for the fractionation of high log K_{ow} organic compounds in aqueous environmental samples 629(1993)67

Erni, F., see Djordjevic, N. M. 629(1993)135

Evans, K. P., see Williams, S. J. 629(1993)379

Floyd, T. R.
Chemical characterization of cellulose acetate by non-exclusion liquid chromatography 629(1993)243

Furton, K. G., Jolly, E. and Rein, J.
Variables affecting the supercritical fluid extraction of analytes from octadecylsilane solid-phase sorbents 629(1993)3

Gal, J., see Desai, D. M. 629(1993)215

Giese, R. W., see Saha, M. 629(1993)35

Goodall, D. M., see Williams, S. J. 629(1993)379

Grosse-Ophoff, M., see Küppers, S. 629(1993)345

Gundel, L. A., Mahanama, K. R. R. and Daisey, J. M.
Fractionation of polar organic extracts of airborne particulate matter using cyanopropyl-bonded silica in solid-phase extraction 629(1993)75

Hartmann, A., see Lebuhn, M. 629(1993)255

Helfferich, F. G.
Introduction to the series "Non-linear waves in chromatography" 629(1993)95

Helfferich, F. G. and Carr, P. W.
Non-linear waves in chromatography. I. Waves, shocks, and shapes 629(1993)97

Hines II, M. E., see Barker, S. A. 629(1993)23

Hobo, T., see Sato, K. 629(1993)291

Hsu, C.-Y. L. and Walters, R. R.
Optimization of sample application conditions for solid-phase extraction columns 629(1993)61

Hsu, M.-C., see Chung, H.-C. 629(1993)277

Ihara, T., see Sato, K. 629(1993)291

Jen, J.-F., Lin, C.-W., Lin, C.-J. and Yan, C.-T.
Determination of volatile fatty acids in landfill leachates by high-performance liquid chromatography 629(1993)394

Jolly, E., see Furton, K. G. 629(1993)3
Jonkman, J. H. G., see Wieling, J. 629(1993)181
Klesper, E., see Küppers, S. 629(1993)345
Konishi, H., Neff, W. E. and Mounts, T. L.
Correlation of reversed-phase high-performance liquid chromatography and gas–liquid chromatography for fatty acid compositions of some vegetable oils 629(1993)237
Korfmacher, W. A., see Abián, J. 629(1993)267
Krull, I. S., see Lurie, I. S. 629(1993)143
Künstner, P., see Chollet, D. 629(1993)89
Küppers, S., Grosse-Cphoff, M. and Klesper, E.
Influence of linear velocity and multigradient programming in supercritical fluid chromatography 629(1993)345
Leathard, D. A., see Allen, D. W. 629(1993)283
Lebuhn, M. and Hartmann, A.
Method for the determination of indole-3-acetic acid and related compounds of L-tryptophan catabolism in soils 629(1993)255
Lin, C.-J., see Jen, J.-F. 629(1993)394
Lin, C.-W., see Jen, J.-F. 629(1993)394
Lin, Y. Y., Ng, K. J. and Yang, S.
Characterization of flavonoids by liquid chromatography–tandem mass spectrometry 629(1993)389
Liu, G., see Djordjevic, N. M. 629(1993)135
Long, A. R., see Barker, S. A. 629(1993)23
Lowe, C. R., see McCreath, G. E. 629(1993)201
Lukasewycz, M., see Durhan, E. 629(1993)67
Lurie, I. S., Cooper, D. A. and Krull, I. S.
High-performance liquid chromatography using continuous on-line post-elution photoirradiation with subsequent diode-array UV or thermospray mass spectrometry detection 629(1993)143
Mahanama, K. R. R., see Gundel, L. A. 629(1993)75
Matisová, E., Vodný, Š., Škrabáková, S. and Onderová, M.
Analysis of multi-component mixtures by high-resolution capillary gas chromatography and combined gas chromatography–mass spectrometry. II. Trace aromatics in an *n*-alkane matrix 629(1993)309
McCreath, G. E., Chase, H. A., Purvis, D. R. and Lowe, C. R.
Novel affinity separations based on perfluorocarbon emulsions. Development of a perfluorocarbon emulsion reactor for continuous affinity separations and its application in the purification of human serum albumin from blood plasma 629(1993)201
McDonnell, T., Rosenfeld, J. and Rais-Firouz, A.
Solid-phase sample preparation of natural waters with reversed-phase disks 629(1993)41
Meaney, M., see Dunne, C. 629(1993)229
Meier, U. and Trepp, C.
Calibration of spectrophotometric detectors for supercritical fluid chromatography 629(1993)361
Meisen, A., see Dawodu, O. F. 629(1993)297
Mensink, C. K., see Wieling, J. 629(1993)181
Meyer, M. T., Mills, M. S. and Thurman, E. M.
Automated solid-phase extraction of herbicides from water for gas chromatographic–mass spectrometric analysis 629(1993)55
Mills, M. S., see Meyer, M. T. 629(1993)55
Mills, M. S. and Thurman, E. M.
Foreword 629(1993)1
Mills, M. S., Thurman, E. M. and Pedersen, M. J.
Application of mixed-mode, solid-phase extraction in environmental and clinical chemistry. Combining hydrogen-bonding, cation-exchange and Van der Waals interactions 629(1993)11
Mitsuhashi, T.
Gas chromatographic determination of trace nitrite after derivatization with ethyl 3-oxobutanoate 629(1993)339
Mounts, T. L., see Konishi, H. 629(1993)237
Nagatkina, M., see Zukowski, J. 629(1993)169
Neff, W. E., see Konishi, H. 629(1993)237
Ng, K. J., see Lin, Y. Y. 629(1993)389
Nishimura, K., see Takagi, T. 629(1993)385
Onderová, M., see Matisová, E. 629(1993)309
Ota, T., see Takagi, T. 629(1993)385
Pankow, J. F., see Rounds, S. A. 629(1993)321
Pastor, M. D., Sanchez, J., Barceló, D. and Albaigés, J.
Determination of coplanar polychlorobiphenyl congeners in biota samples 629(1993)329
Pawlowska, M., see Zukowski, J. 629(1993)169
Pedersen, M. J., see Mills, M. S. 629(1993)11
Pfeifer, M., see Belsner, K. 629(1993)123
Pierce, J. J., see Berry, M. J. 629(1993)161
Purvis, D. R., see McCreath, G. E. 629(1993)201
Rais-Firouz, A., see McDonnell, T. 629(1993)41
Rein, J., see Furton, K. G. 629(1993)3
Rosenfeld, J., see McDonnell, T. 629(1993)41
Rounds, S. A. and Pankow, J. F.
Determination of selected chlorinated benzenes in water by purging directly to a capillary column with whole column cryotrapping and electron-capture detection 629(1993)321
Saha, M. and Giese, R. W.
High-performance liquid chromatography *versus* solid-phase extraction for post-derivatization cleanup prior to gas chromatography–electron-capture negative-ion mass spectrometry of N1,N3-bis-(pentafluorobenzyl)-N7-(2-[pentafluorobenzyloxy]ethyl)xanthine, a product derived from an ethylene oxide DNA adduct 629(1993)35
Sanchez, J., see Pastor, M. D. 629(1993)329
Sato, K., Watabe, K., Ihara, T. and Hobo, T.
Improvement of continuous counter-current gas–liquid chromatography for practical use 629(1993)291
Shah, B. and Watson, E.
Determination of N-hydroxysuccinimidyl-activated polyethylene glycol esters by gel permeation chromatography with post-column alkaline hydrolysis 629(1993)398
Šimek, Z. and Vespalec, R.
Chromatographic properties of chemically bonded bovine serum albumin working as a chiral selector in alkaline mobile phases 629(1993)153
Škrabáková, S., see Matisová, E. 629(1993)309
Smyth, M., see Dunne, C. 629(1993)229
Stegehuis, D., see Djordjevic, N. M. 629(1993)135

Takagi, T., Aoyanagi, N., Nishimura, K., Ando, Y. and Ota, T.
Enantiomer separations of secondary alkanols with little asymmetry by high-performance liquid chromatography on chiral columns 629(1993)385
Thurman, E. M., see Meyer, M. T. 629(1993)55
Thurman, E. M., see Mills, M. S. 629(1993)1
Thurman, E. M., see Mills, M. S. 629(1993)11
Trepp, C., see Meier, U. 629(1993)361
Tuinstra, L. G. M. T., see Dunne, C. 629(1993)229
Vespalec, R., see Šimek, Z. 629(1993)153
Vodný, Š., see Matisová, E. 629(1993)309
Walters, R. R., see Hsu, C.-Y. L. 629(1993)61
Watabe, K., see Sato, K. 629(1993)291
Watson, E., see Shah, B. 629(1993)398
Wermeille, M., see Chollet, D. 629(1993)89
Wieling, J., Dijkstra, H., Mensink, C. K., Jonkman, J. H. G., Coenegracht, P. M. J., Duineveld, C. A. A. and Doornbos, D. A.
Chemometrics in bioanalytical sample preparation. A fractionated combined mixture and factorial design for the modelling of the recovery of five tricyclic amines from plasma after liquid–liquid extraction prior to high-performance liquid chromatography 629(1993)181
Wilffert, B., see Belsner, K. 629(1993)123
Williams, S. J., Goodall, D. M. and Evans, K. P.
Analysis of anthraquinone sulphonates. Comparison of capillary electrophoresis with high-performance liquid chromatography 629(1993)379
Yan, C.-T., see Jen, J.-F. 629(1993)394
Yang, S., see Lin, Y. Y. 629(1993)389
Zhong, W. Z.
Application of solid-phase extraction in the determination of U-82217 in rat serum, urine and brain 629(1993)83
Zukowski, J., Pawlowska, M., Nagatkina, M. and Armstrong, D. W.
High-performance liquid chromatographic enantioseparation of glycyl di- and tripeptides on native cyclodextrin bonded phases. Mechanistic considerations 629(1993)169